

### **3:2 PULL-DOWN FILM MODE DETECTION USING FUZZY LOGIC**

#### **ABSTRACT**

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Fuzzy logic based system and method for 3:2 pull-down film mode detection that detects whether a stream of NTSC video fields originate from film source via 3:2 pull-down technique. Fuzzy logic is used to generate a reference sequence of symbols from the stream of NTSC video fields. This reference sequence is adapted for  
10 indicating whether or not the video fields originate from film source.